PLS

SYSTEM IDENTIFIERS	
NOMENCLATURE:	Truck, Palletized Load System
SSN:	D15913
LIN:	T41067
NSN:	2320-01-304-2277
AMIM NO:	I211
EIC:	B4G
FUEL TYPE:	DIESEL

SYSTEM DESCRIPTION

The Palletized Loading System (PLS) is an air transportable, 10x10, full time all wheel drive truck. The vehicle configuration provides optimum turning capability and even weight distribution between all axles. The PLS is equipped with a 500 horsepower, V8 Detroit Diesel 8V92TA engine and a five speed automatic transmission. Central tire inflation gives the truck the ability to cross rugged terrain with ease. The PLS includes a Multilift Mark V self load/unload system that handles a wide-range of cargo without the need for forklifts. Kits for the PLS include a machine gun mount, chemical alarm, and arctic personnel heater. The truck operates at a top road speed of 56 miles per hour. The fuel capacity for the PLS is 100 gallons with a road cruising range of 336 miles.

The list below identifies components associated with the weapon/materiel system.

PLS

LIN	NSN	NOMENCLATURE
B83002	3990-01-307-7676	BED CARGO M1077,
C89070	1080-00-108-1173	CAMOUFLAGE SCREEN SUPPORT
C89145	1080-00-103-1246	CAMOUFLAGE SCREEN SYSTEM
M74364	1005-00-701-2810	MOUNT, MACHINE GUN
T93761	2330-01-303-5197	TRAILER M1076, PALLETIZ

SYSTEM VARIANTS

MDS	LIN	NSN
PLS	T40999	2320-01-304-2278

This summary provides an overview of FY 94 Total Army operating and support costs and other information for the weapon system. Average cost per system is displayed so the data can be used in performing analyses and cost studies. Average costs are calculated using the end item's density. NET REPARABLES represent the cost with the Major Subordinate Command (MSC) specific credit rates applied (detailed in Section 1 - Overview).

PLS
FY 94 TOTAL ARMY COST SUMMARY
(FY 94 Constant Dollars)

DENSITY

NUMBER OF SYSTEMS	409

DEPOT END ITEM MAINTENANCE (5.061)

TOTAL	$0
QUANTITY COMPLETED	0
AVG COST/END ITEM	$0.00

CLASS III-POL (5.05)

NOT AVAILABLE

DEPOT SECONDARY ITEM MAINTENANCE

TOTAL	$0
QUANTITY COMPLETED	0
AVG COST/SECONDARY ITEM	$0.00

CLASS V-AMMUNITION (2.11)

NOT AVAILABLE

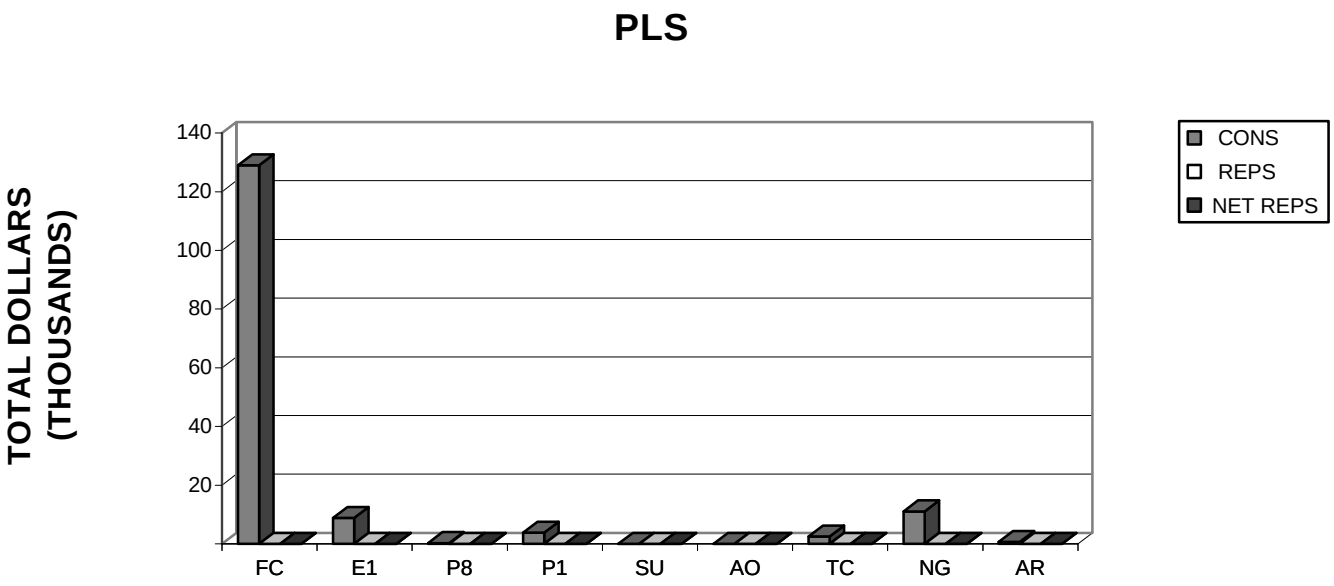
INTERMEDIATE MAINTENANCE

	DS/GS	CIVILIAN
MIL/CIV LABOR COST	$1,578	$2,083
AVG COST/SYSTEM	$3.86	$5.09
MAINTENANCE MANHOURS	95	117
MMHs/SYSTEM	0.23	0.29

CLASS IX MATERIEL-PARTS (5.04/5.03)

	FY 94 DOLLARS	AVG COST PER SYSTEM
CONSUMABLES	$156,084	$381.62
NET REPARABLES	$0	$0.00
TOTAL	$156,084	$381.62

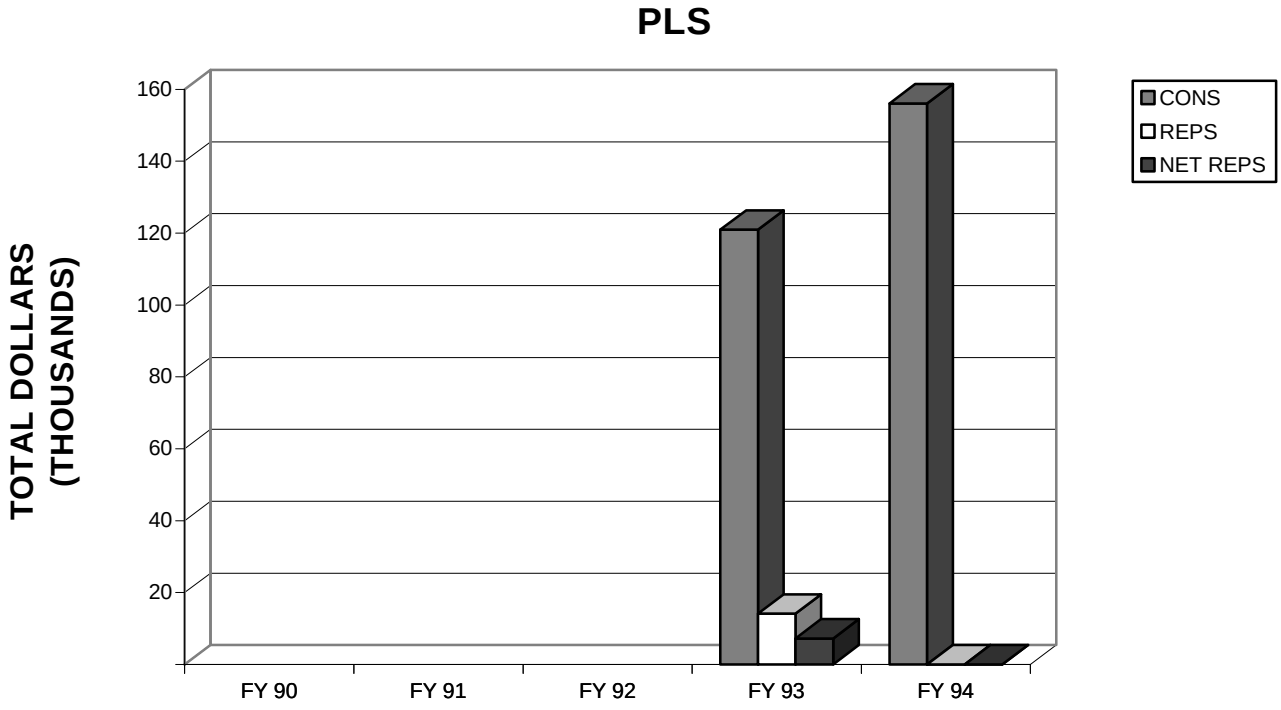
The following graph and table display FY 94 Class IX costs for consumables (CONS), reparables, (REPS), and net reparables (NET REPS) by MACOM. CONS and REPS are the total costs of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. TOTAL ARMY (TA) costs are the summation of costs across all MACOMs in the table. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems for each MACOM.



PLS
FY 94 MACOM CLASS IX COSTS

MACOM CODE	MACOM NAME	CONS	REPS	NET REPS	NET TOTAL COSTS	NUMBER OF SYSTEMS	AVG PER SYSTEM
FC	FORSCOM	128,991	0	0	128,991	161	801
E1	USAREUR	8,851	0	0	8,851	93	95
P8	EUSA	255	0	0	255	1	255
P1	USARPAC	3,765	0	0	3,765	4	941
SU	USARSO	0	0	0	0	0	0
AO	USASOC	0	0	0	0	0	0
TC	TRADOC	2,483	0	0	2,483	27	92
NG	ARNG	11,070	0	0	11,070	56	198
AR	USAR	669	0	0	669	67	10
TA	TOTAL ARMY	156,084	0	0	156,084	409	382

The following graph and table display FY 90-94 Class IX costs for consumables (CONS), reparables (REPS) and net reparables (NET REPS) by Total Army. The Total Army costs are a summation of all the MACOMs displayed on the previous page. CONS and REPS are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems in the Total Army for the fiscal year. Blank rows indicate system was not tracked in the OSMIS database during that fiscal year.



PLS
FIVE YEAR TOTAL ARMY CLASS IX COSTS

FISCAL YEAR	CONS	REPS	NET REPS	NET TOTAL COSTS	NUMBER OF SYSTEMS	AVG PER SYSTEM
FY 90						
FY 91						
FY 92						
FY 93	120,959	14,115	7,199	128,158	401	320
FY 94	156,084	0	0	156,084	409	382

The Total Army Class IX costs from the previous pages are broken out by Work Breakdown Structure (WBS) in the following table. The FY 94 WBS Class IX costs for consumables (CONS) and reparables (REPS) are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). The NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. The TOTAL costs are a summation of all the WBS elements displayed in the table. NET TOTAL COSTS are the sum of the costs in CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS column by the total number of systems in the Army.

PLS
FY 94 TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS

WBS	NAME	CONS	REPS	NET REPS	NET TOTAL COSTS	NUM OF SYSTEMS	AVG PER SYSTEM
01	HULL/FRAME	36,479	0	0	36,479	409	89
02	SUSPENSION/STEER	1,098	0	0	1,098	409	3
03	POWER PACKAGE	50,363	0	0	50,363	409	123
04	AUX AUTOMOTIVE	20,855	0	0	20,855	409	51
05	TURRET ASSEMBLY	0	0	0	0	0	0
06	FIRE CONTROL	0	0	0	0	0	0
07	ARMAMENT	70	0	0	70	409	0
08	BODY/CAB	0	0	0	0	0	0
09	AUTO LOADING	0	0	0	0	0	0
10	AUTO/REMOTE PILOT	0	0	0	0	0	0
11	NBC EQUIPMENT	881	0	0	881	409	2
12	SPECIAL EQUIPMENT	0	0	0	0	0	0
13	NAVIGATION	0	0	0	0	0	0
14	COMMUNICATIONS	0	0	0	0	0	0
15	VEH APP SOFTWARE	0	0	0	0	0	0
16	VEH SYS SOFTWARE	0	0	0	0	0	0
17	INT, ASSY, TEST, C/O	0	0	0	0	0	0
18	OTHER	46,338	0	0	46,338	409	113
	TOTAL	156,084	0	0	156,084	409	382

The following table displays FY 90-94 Class IX costs by Work Breakdown Structure (WBS) for the Total Army. NET TOTAL COSTS are summation for all the WBS elements displayed on the previous page and are a sum of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the total number of systems in the Army for the fiscal year. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

PLS
FIVE YEAR TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS

WBS	NAME	FY 90 NET TOTAL COSTS	FY 91 NET TOTAL COSTS	FY 92 NET TOTAL COSTS	FY 93 NET TOTAL COSTS	FY 94 NET TOTAL COSTS
01	HULL/FRAME				29,545	36,479
02	SUSPENSION/STEER				303	1,098
03	POWER PACK				30,926	50,363
04	AUX AUTOMOTIVE				13,350	20,855
05	TURRET ASSEMBLY				0	0
06	FIRE CONTROL				0	0
07	ARMAMENT				7,225	70
08	BODY/CAB				0	0
09	AUTO LOADING				0	0
10	AUTO/REMOTE PILOT				0	0
11	NBC EQUIPMENT				0	881
12	SPECIAL EQUIPMENT				0	0
13	NAVIGATION				0	0
14	COMMUNICATIONS				0	0
15	VEH APP SOFTWARE				0	0
16	VEH SYS SOFTWARE				0	0
17	INT, ASSY, TEST, C/O				0	0
18	OTHER				46,809	46,338
	TOTAL				128,158	156,084
	NUM OF SYSTEMS				401	409
	AVG PER SYSTEM				320	382

PLS
TOP 40 COST DRIVERS
CLASS IX CONSUMABLES (NON-DLRs)

	NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 94 AMDF UNIT PRICE	FY 94 QTY
1.	6140012101964	BATTERY,STORAGE	18	F		K21PU	57.22	266.41
2.	2590013448256	WINCH,DRUM,VEHICLE	04E	H		J2100	3,074.30	4.00
3.	2530013501639	BRAKE SHOE	03Q	Z		J2200	239.69	44.00
4.	6240000190877	LAMP,INCANDESCENT	18	Z		J2200	52.23	195.65
5.	6240001558717	LAMP,INCANDESCENT	18	Z		J2200	12.71	693.65
6.	2530013445884	STEERING GEAR	03Q	H		J2100	919.87	4.00
7.	2815011327298	CYLINDER HEAD,DIESEL	03A	F		J2100	1,008.93	3.52
8.	2920013375152	STARTER,ENGINE,ELEC	03A	F		J2200	798.29	4.00
9.	4030003771000	SHACKLE	01C	Z		J2200	27.93	110.27
10.	4810012108870	VALVE,LINEAR,DIRECT	01A	H		K21NR	716.00	4.26
11.	5340013659770	BRACKET,MOUNTING	01A	Z		T2200	142.50	21.00
12.	4330013450853	FILTER-SEPARATOR,LI	18	F		J2100	310.85	8.00
13.	2520010558337	DISK,CLUTCH	03J	Z		J2200	55.55	35.96
14.	5330010561111	GASKET SET	01A	Z		T2200	103.22	18.95
15.	2815012058757	HOUSING,DIESEL ENGI	03A	Z		J2200	968.33	2.00
16.	9340011714428	GLASS,LAMINATED	18	Z		E2200	35.20	55.04
17.	2520011766004	PARTS KIT,HYDRAULIC	03H	Z		J2200	267.75	7.00
18.	2540011538448	CUSHION,SEAT,VEHICU	01H	Z		J2200	82.77	22.43
19.	2910013368213	NOZZLE,FUEL INJECTI	03A	Z		J2200	363.94	5.00
20.	2520010901409	FLYWHEEL ASSEMBLY	03H	Z		J2200	544.64	2.91
21.	2815012809017	CRANKSHAFT,ENGINE	03A	H		J2100	1,779.30	0.89
22.	2540011548406	SEAT,VEHICULAR	01H	O		J2100	324.56	4.74
23.	2910010228183	FILTER ELEMENT,FLUI	03A	Z		J2200	2.62	579.39
24.	3940012096008	SLING AND WIRE ROPE	18	Z		K22NR	149.00	9.14
25.	2520009163688	TURBINE	03H	Z		J2200	1,009.86	1.33
26.	6240001433159	LAMP,INCANDESCENT	18	Z		J2200	12.06	98.17
27.	5945013518313	RELAY,ROTARY	04A	Z		Q2200	148.97	7.00
28.	2940013141345	FILTER ELEMENT,FLUI	03A	Z		J2200	18.31	56.00
29.	2510013521263	DOOR,VEHICULAR	01A	O		J2100	1,001.59	1.00
30.	2610013342694	TIRE,PNEUMATIC	02A	O		K21PP	816.00	1.00
31.	6150013655551	WIRING HARNESS,BRAN	04A	O		J2100	47.82	17.00
32.	3110012100581	BEARING,BALL,ANNULA	01H	Z		T2200	1,248.01	0.63
33.	2815010620855	VALVE,POPPET,ENGINE	03A	Z		J2200	13.54	55.48
34.	6220013382062	CONTROL,DIRECTIONAL	01A	Z		J2200	74.87	10.00
35.	2540011656136	CHOCK,WHEEL-TRACK	01H	Z		J2200	6.52	110.77
36.	2520010523898	HUB,CONVERTER PUMP	03H	Z		J2200	236.29	3.05
37.	4820012118422	VALVE,LINEAR,DIRECT	01A	H		J2100	878.55	0.80
38.	6635011705001	TESTER,SPRING RESIL	18	Z		J2200	666.91	1.00
39.	5330013240437	SEAL,PLAIN	01A	Z		T2200	20.48	31.58
40.	2540013576657	GUARD,SPLASH,VEHICU	01H	Z		J2200	25.38	24.00

NUMBER OF SYSTEMS	409

NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING

EXTENDED COST (QTY * UNIT PRICE)	AVERAGE COST PER SYSTEM	AVERAGE QUANTITY PER 100 SYSTEMS	FY 93-94 TWO YEAR AVERAGE QTY	FY 93-94 TWO YEAR AVERAGE EXTENDED COST
15,242	37.27	65.1369	301.92	17,276
12,297	30.07	0.9780	2.00	6,149
10,546	25.78	10.7579	22.00	5,273
10,219	24.99	47.8362	220.18	11,500
8,815	21.55	169.5966	575.99	7,321
3,679	9.00	0.9780	2.00	1,840
3,551	8.68	0.8606	3.78	3,814
3,193	7.81	0.9780	2.00	1,597
3,079	7.53	26.9609	70.46	1,968
3,050	7.46	1.0416	2.13	1,525
2,993	7.32	5.1345	10.50	1,496
2,487	6.08	1.9560	4.00	1,243
1,997	4.88	8.7922	27.45	1,525
1,957	4.78	4.6333	18.40	1,899
1,937	4.74	0.4890	1.50	1,452
1,936	4.73	13.4572	39.27	1,382
1,874	4.58	1.7115	3.50	937
1,857	4.54	5.4841	16.13	1,335
1,820	4.45	1.2225	2.50	910
1,585	3.88	0.7115	1.84	1,002
1,584	3.87	0.2176	0.84	1,495
1,538	3.76	1.1589	3.22	1,045
1,519	3.71	141.6601	541.71	1,419
1,362	3.33	2.2347	5.55	827
1,343	3.28	0.3252	0.84	848
1,185	2.90	24.0024	159.65	1,925
1,043	2.55	1.7115	3.50	521
1,025	2.51	13.6919	28.87	529
1,002	2.45	0.2445	0.50	501
816	2.00	0.2445	0.50	408
813	1.99	4.1565	8.50	406
786	1.92	0.1540	0.47	587
752	1.84	13.5648	41.85	567
749	1.83	2.4450	5.00	374
723	1.77	27.0831	72.05	470
721	1.76	0.7457	3.89	919
703	1.72	0.1956	0.45	395
667	1.63	0.2445	0.50	333
647	1.58	7.7213	20.72	424
609	1.49	5.8680	12.00	305

113,701	72.8%	TOP 40
42,383	27.2%	OTHERS
156,084		

PLS
COST DRIVERS
CLASS IX REPARABLES (DLRs)

NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 94 AMDF UNIT PRICE W/O CREDIT	FY 94 AMDF UNIT PRICE W/CREDIT	FY 94 QTY

NO DATA

EXTENDED COST (W/CREDIT) (QTY * UNIT PRICE)	AVERAGE COST (W/CREDIT) PER SYSTEM	AVERAGE QUANTITY PER 100 SYSTEMS	FY 93-94 TWO YEAR AVERAGE QTY	FY 93-94 TWO YEAR AVERAGE EXTENDED COST (W/CREDIT)

NO DATA

The following table summarizes FY 94 Depot Maintenance Costs from the Master File Maintenance (MFM). Depot maintenance costs are displayed by cost elements for end item maintenance and secondary item maintenance. The OTHER cost columns represent work categories such as progressive maintenance, renovation, and fabrication/manufacture. For reporting purposes, TRANSPORTATION costs recorded in the World Aircraft Logistics Conference (WALC)/Special Aircraft Assignment Mission (SAAM) records are shown in the OTHER maintenance category.

PLS
FY 94 DEPOT MAINTENANCE COSTS

COST ELEMENTS	END ITEM MAINTENANCE				SECONDARY ITEM MAINTENANCE		
	REPAIR	OVERHAUL	OTHER	MODIFICATION	REPAIR	OVERHAUL	OTHER
CIVILIAN LABOR	0	0	0	0	0	0	0
MILITARY LABOR	0	0	0	0	0	0	0
MATERIEL	0	0	0	0	0	0	0
TRANSPORTATION	0	0	0	0			
OVERHEAD	0	0	0	0	0	0	0
CONTRACT	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0
QTY COMPLETED	0	0	0	0	0	0	0
AVG COST	0	0	0	0	0	0	0

The table below summarizes FY 94 Intermediate Maintenance Costs from the Work Order Logistics File (WOLF) data. The labor hours and labor costs for Direct Support/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS LABOR COSTS are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate ($16.61). CIVILIAN LABOR COSTS are a summation from the source data.

PLS
FY 94 INTERMEDIATE MAINTENANCE COSTS

MACOM	DS/GS LABOR HOURS	DS/GS LABOR COSTS	CIVILIAN LABOR HOURS*	CIVILIAN LABOR COSTS*	CIVILIAN LABOR COST/HOUR
FORSCOM	95	1,578	117	2,083	17.80
USAREUR	0	0			
EUSA	0	0			
USARPAC	0	0			
USARSO	0	0			
USASOC	0	0			
TRADOC	0	0	0	0	0.00
ARNG	0	0			
USAR	0	0			
TOTAL ARMY	95	1,578	117	2,083	17.80

*TRADOC LABOR HOURS and LABOR COSTS include contractor hours and costs.

The following table summarizes FY 90-94 Depot Maintenance Costs. The depot maintenance data are recorded in MFM. FY 94 costs are a summation of the cost elements displayed on the previous page. END ITEM OVERHEAD costs were not separately identified prior to FY 92. TRANSPORTATION costs are recorded in the WALC/SAAM records. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

PLS
FIVE YEAR DEPOT MAINTENANCE COSTS

COST ELEMENTS	END ITEM MAINTENANCE					SECONDARY ITEM MAINTENANCE				
	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
CIVILIAN LABOR				0	0				0	0
MILITARY LABOR				0	0				0	0
MATERIEL				0	0				0	0
TRANSPORTATION				0	0					
OVERHEAD				0	0				0	0
CONTRACT				0	0				0	0
OTHER				0	0				0	0
TOTAL				0	0				0	0
QTY COMPLETED				0	0				0	0
AVG COST				0	0				0	0

The table below sumarizes FY 90-94 Intermediate Maintenance Costs from WOLF. The fiscal year total costs for Direct/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS labor costs are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate. DS/GS COST PER HR is the E-5 composite standard rate in FY 94 constant dollars. CIVILIAN LABOR COSTS are a summation from the source data. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

PLS
FIVE YEAR INTERMEDIATE MAINTENANCE COSTS

MACOM	DIRECT/GENERAL SUPPORT INTERMEDIATE MAINTENANCE (DS/GS)					CIVILIAN MAINTENANCE (CIV)				
	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
FORSCOM				752	1,578				3,812	2,083
USAREUR				34	0					
EUSA				10	0					
USARPAC				0	0					
USARSO				0	0					
USASOC				0	0					
TRADOC				0	0				11,816	0
ARNG				1,808	0					
USAR				60	0					
TOTAL ARMY				2,664	1,578				15,628	2,083
LABOR HRS				156	95				720	117
COST PER HR				17.19	16.61				21.71	17.80

The following list shows the FY 94 Secondary Item - Rebuilds/Overhauls Cost Drivers recorded in the MFM. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 94 TOTAL COST TO REBUILD/OVERHAUL by FY 94 QTY COMPLETED.

PLS
FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS

NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 94 TOTAL COST TO REBUILD/ OVERHAUL	FY 94 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL
NO DATA AVAILABLE					

The following list shows the FY 94 Secondary Item Maintenance - Repairs Cost Drivers recorded in MFM. AVG COST TO REPAIR is calculated by dividing the costs in FY 94 TOTAL COST TO REPAIR by FY 94 QTY COMPLETED.

PLS
FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS

NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 94 TOTAL COST TO REPAIR	FY 94 QTY COMPLETED	AVG COST TO REPAIR
NO DATA AVAILABLE					

The following list shows the FY 90-94 Secondary Item - Rebuild/Overhauls Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 15 for further explanation. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 90-94 TOTAL COST TO REBUILD/OVERHAUL by FY 90 -94 QTY COMPLETED.

PLS
FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS

NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REBUILD/ OVERHAUL	FY 90-94 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL
NO DATA AVAILABLE					

The following list shows the FY 90-94 Secondary Item - Repairs Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 15 for further explanation. AVG COST TO REPAIR is calculated by dividing the costs in FY 90-94 TOTAL COST TO REPAIR by FY 90-94 QTY COMPLETED.

PLS
FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS

NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REPAIR	FY 90-94 QTY COMPLETED	AVG COST TO REPAIR
NO DATA AVAILABLE					

CHOOSE A VOLUME FOR MORE SYSTEMS

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